

ARCHITECTURE:

A TOOL FOR FIGHTING AIR POLLUTION

ANA LORENA RODE

MEXICO CITY



MEXICO CITY



UNHEALTHY
181

BEIJING



VERY UNHEALTHY
225

DELHI



HAZARDOUS
712

THESIS

ALL ACROSS THE GLOBE, CITIES ARE BEING AFFECTED BY AIR POLLUTION, THE PREVALENCE OF ARCHITECTURE CAN BE USED AS A TOOL TO FIGHT THIS ISSUE.

THE EXAMPLE OF MEXICO CITY GIVES AN INSIGHT INTO WHAT CAUSES THE PROBLEM AND HOW IT AFFECTS DIFFERENT COMMUNITIES.

THIS CASE STUDY HAS LED TO THE DEVELOPMENT OF A TEMPLATE FOR DIFFERENT POLLUTION FIGHTING ARCHITECTURAL METHODS THAT CAN BE APPLIED ALL OVER THE WORLD IN DEVELOPED AND DEVELOPING COUNTRIES ALIKE.

METHODS ALREADY FIGHTING POLLUTION: TITANIUM DIOXIDE



HOSPITAL MANUEL GEA GONZALEZ
MEXICO CITY

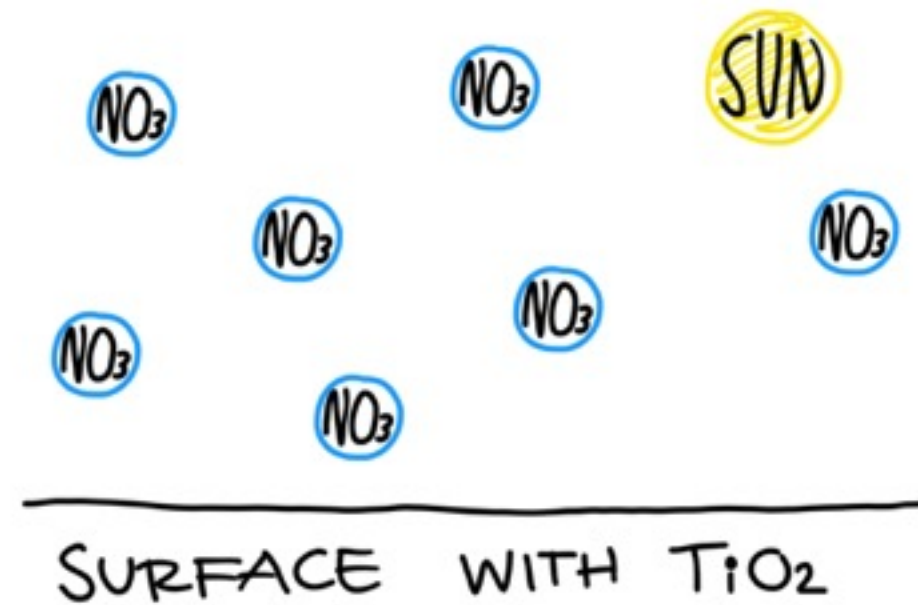
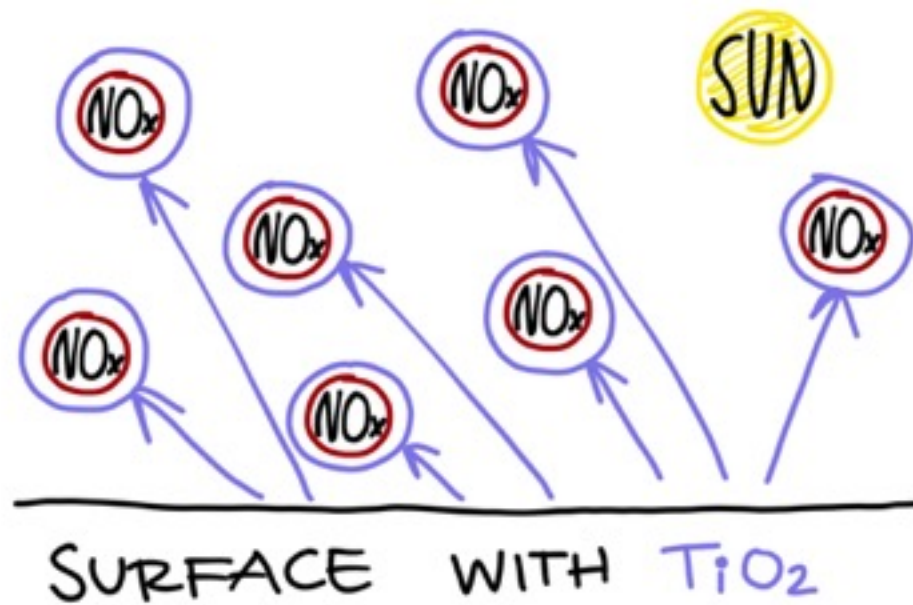
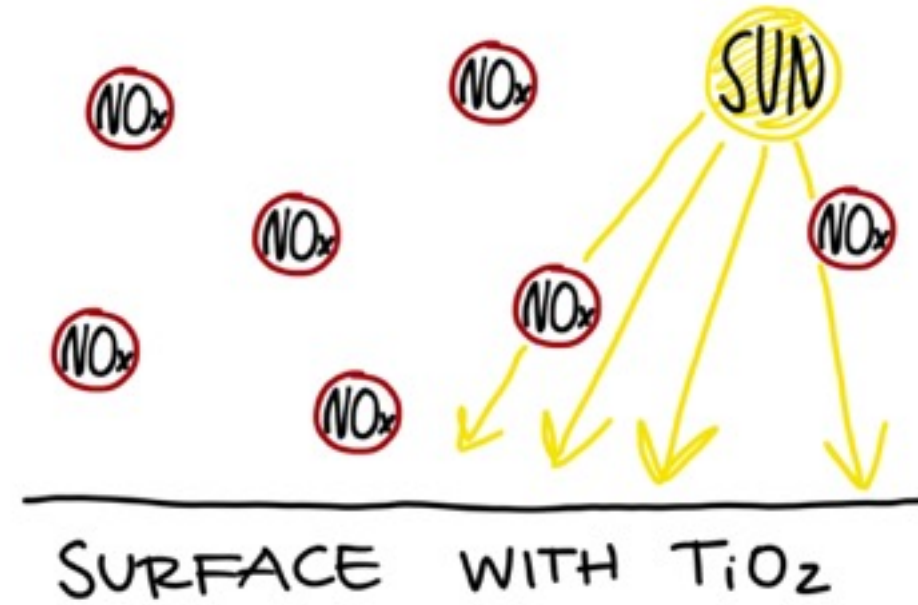
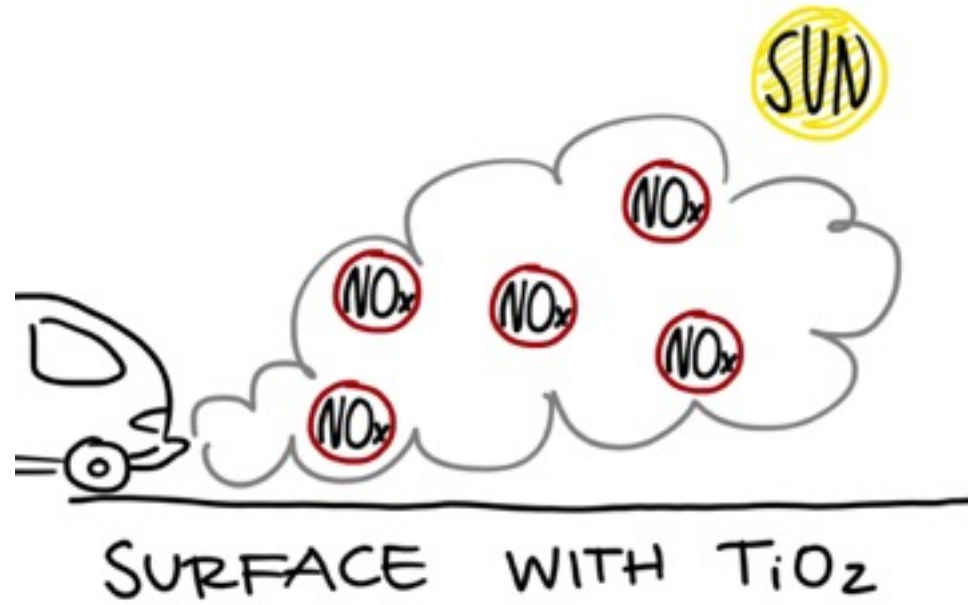


PALAZZO ITALIA
MILAN, ITALY



NOXER BLOCK
KENDAL, ENGLAND

METHODS ALREADY FIGHTING POLLUTION: TITANIUM DIOXIDE



METHODS ALREADY FIGHTING POLLUTION: GREEN BUILDINGS

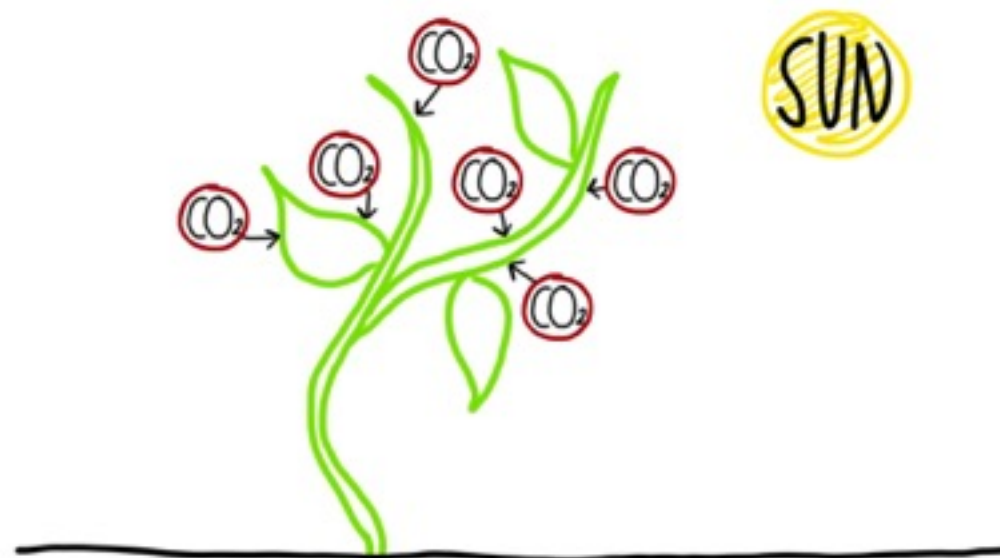
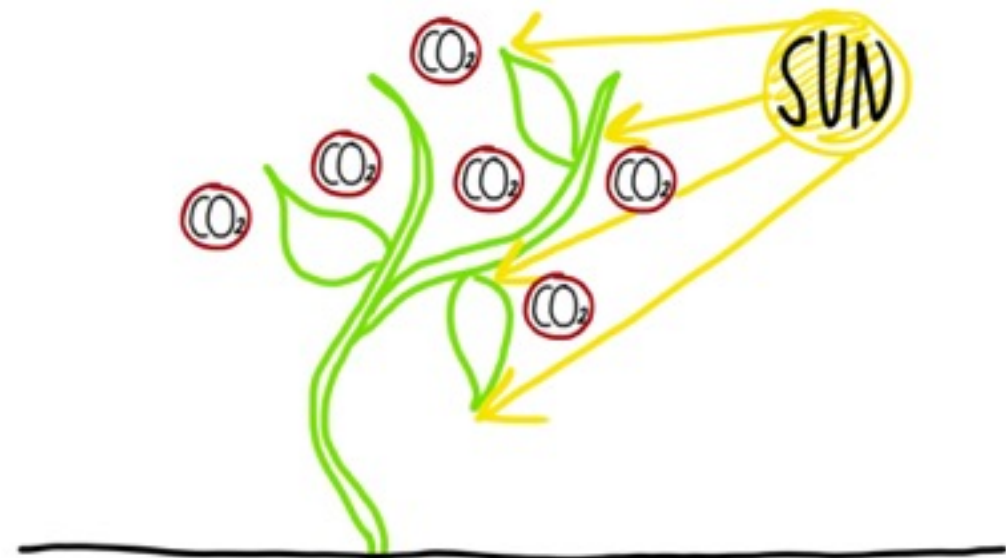
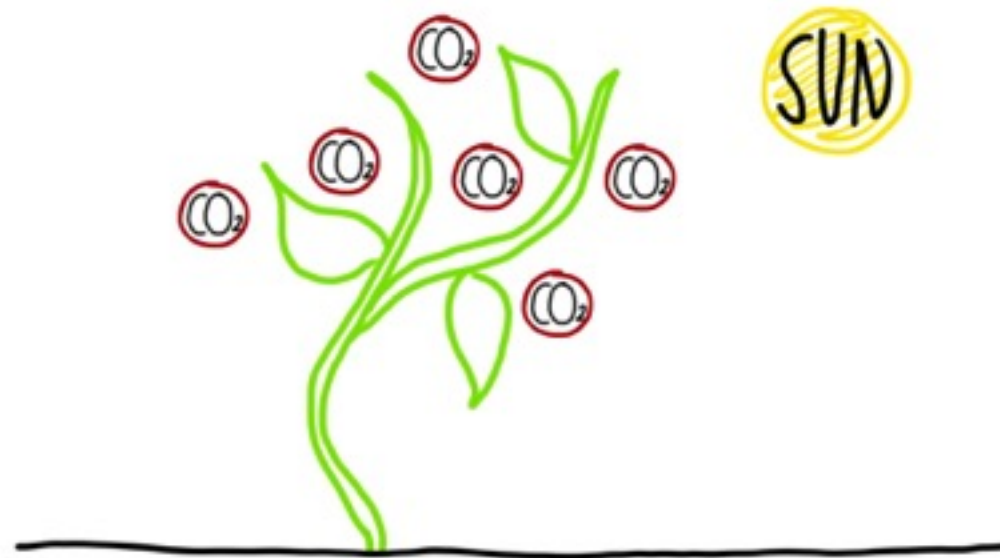
MILAN



NANJING



METHODS ALREADY FIGHTING POLLUTION: GREEN BUILDINGS



APPLYING THESE METHODS: MEXICO CITY

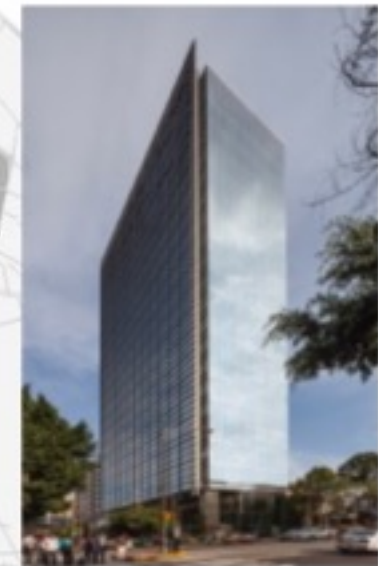
VIA VERDE



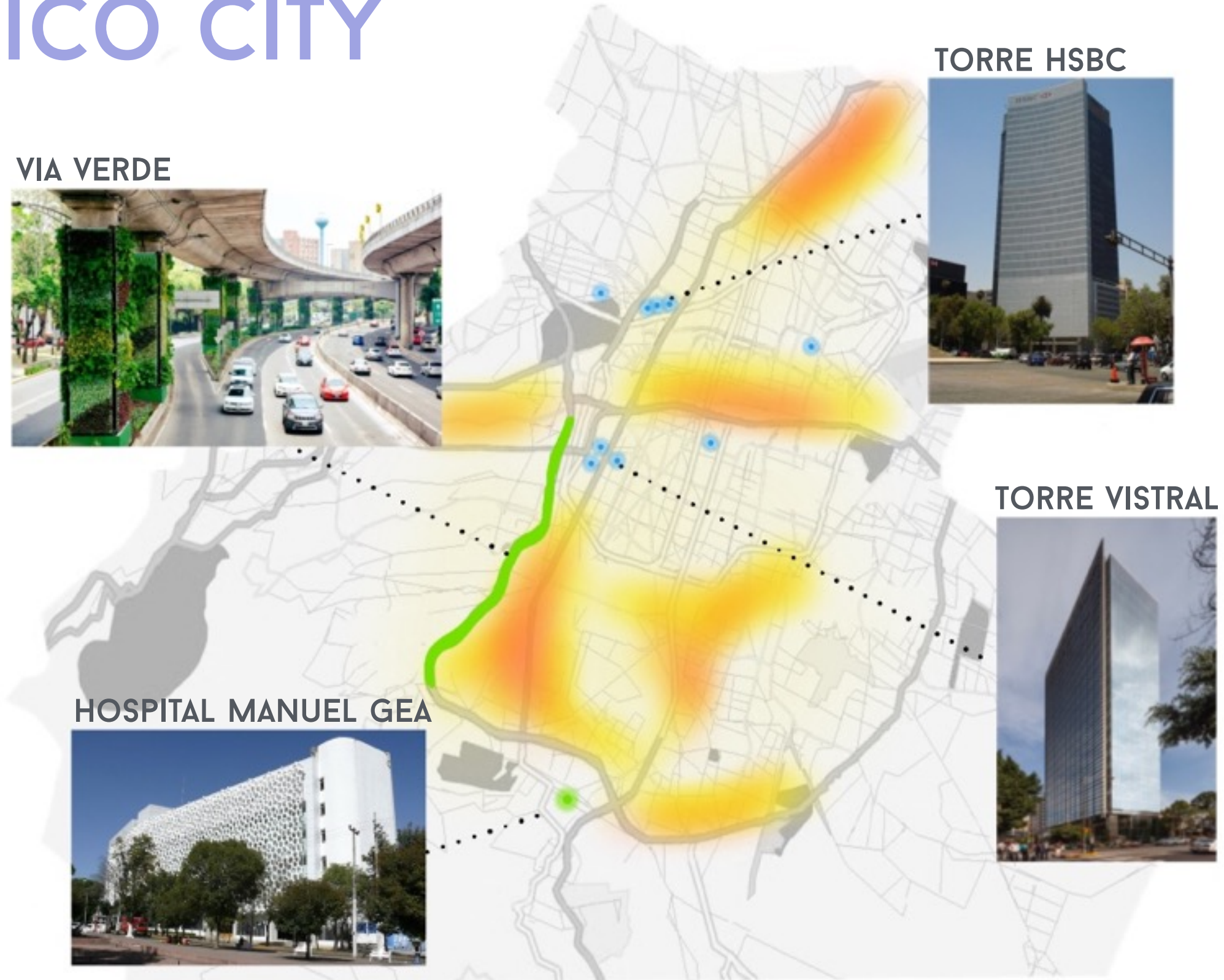
TORRE HSBC



TORRE VISTRAL



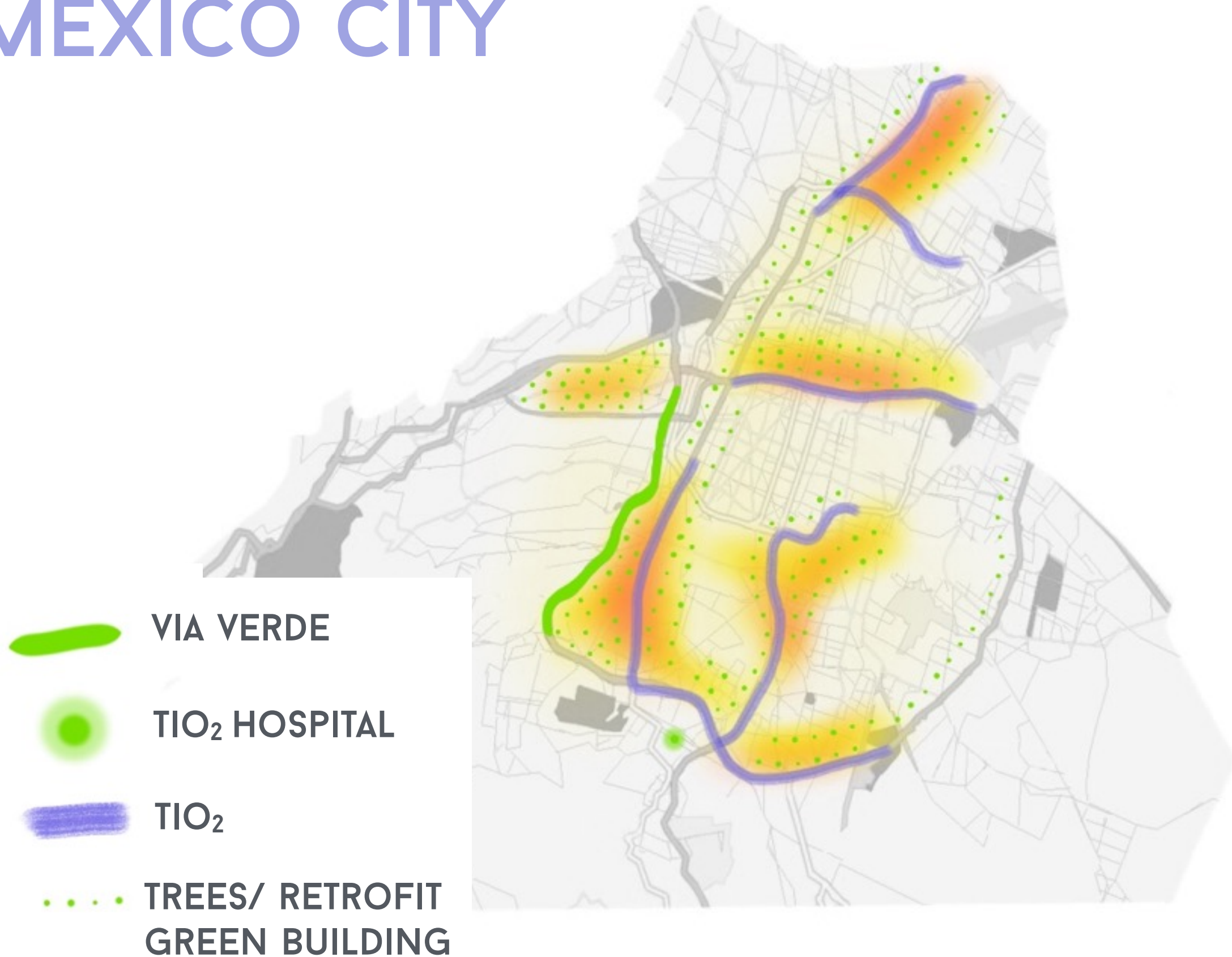
HOSPITAL MANUEL GEA









APPLYING THESE METHODS: MEXICO CITY



APPLYING THESE METHODS: MEXICO CITY



FINAL PROPOSAL

	GREEN BUILDINGS	TITANIUM DIOXIDE	TREES
TYPE OF POLLUTION IT ABSORBS			
WASTEFUL BYPRODUCTS	CONSTRUCTION BYPRODUCTS	4,500 KG OF WASTE/ TON OF TiO_2	
PRICE			
TYPE OF APPLICATION	RETROFIT OR NEW CONSTRUCTION	RETROFIT OR NEW CONSTRUCTION	CAN BE APPLIED ANYWHERE